

# Ursula Hamenstädt



## Academic career

1986	PhD, University of Bonn
1986 - 1988	Miller Fellow for basic research in science, University of California, Berkeley, CA, USA
1988 - 1990	Assistant Professor, California Institute of Technology, CA, USA
1990 - 1991	Professor (C3), University of Bonn
Since 1992	Professor (C4), University of Bonn

## Honours

2012	ERC Advanced Investigator Grant
2012	Member of the German National Academy of Sciences Leopoldina
2012	Fellow of the American Mathematical Society

## Offers

1991	University of Zürich, Switzerland
1991	University of Göttingen
2004	University of Bern, Switzerland
2007	University of Pennsylvania, USA
2010	Yale University, CT, USA

## Invited Lectures

2010	International Congress of Mathematicians, Hyderabad, India
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## Research Projects and Activities

ERC Advanced Investigator Grant “Geometry of moduli spaces and mapping class groups”  
Series of Oberwolfach Workshops on “Differentialgeometrie im Großen”,  
organizer, 2015, 2017  
DFG Cluster of Excellence “Hausdorff Center for Mathematics”,  
Principal Investigator

## Editorships

- Commentarii Mathematici Helvetici
- Journal de l'École Polytechnique

## Supervised theses

Master theses: 7, currently 2

Diplom theses: 42

PhD theses: 15, currently 4

## Selected PhD students

Juan Souto (2001): “Geometric Structures on 3-Manifolds and their Deformations”,  
now Researcher, CNRS, University of Rennes 1, France

## Selected publications

- [1] Ursula Hamenstädt. Incompressible surfaces in rank one locally symmetric spaces. *Geom. Funct. Anal.*, 25(3):815–859, 2015.
- [2] Ursula Hamenstädt and Sebastian Hensel. Spheres and projections for  $\text{Out}(F_n)$ . *J. Topol.*, 8(1):65–92, 2015.

- [3] Ursula Hamenstädt. Lines of minima in outer space. *Duke Math. J.*, 163(4):733–776, 2014.
- [4] Ursula Hamenstädt. Bowen’s construction for the teichmüller flow. *J. Mod. Dyn.*, 7(4):489–526, 2013.
- [5] Ursula Hamenstädt and Sebastian Hensel. Isoperimetric inequalities for the handlebody groups. *Trans. Amer. Math. Soc.*, 365(10):5313–5327, 2013.
- [6] Ursula Hamenstädt. Isometry groups of proper  $\text{cat}(0)$ -spaces of rank one. *Groups Geom. Dyn.*, 6(3):579–618, 2012.
- [7] Ursula Hamenstädt. Geometry of the mapping class groups. i. boundary amenability. *Invent. Math.*, 175(3):545–609, 2009.
- [8] Ursula Hamenstädt. Invariant radon measures on measured lamination space. *Invent. Math.*, 176(2):223–273, 2009.
- [9] Ursula Hamenstädt. Isometry groups of proper hyperbolic spaces. *Geom. Funct. Anal.*, 19(1):170–205, 2009.
- [10] Ursula Hamenstädt. Bounded cohomology and isometry groups of hyperbolic spaces. *J. Eur. Math. Soc. (JEMS)*, 10(2):315–349, 2008.